

# Morbidity and Mortality

Weekly  
Report



U. S. Department of  
HEALTH, EDUCATION, AND WELFARE

Public Health Service

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 24, 1956

The 2 cases of anthrax in California were in a veterinarian and his helper who autopsied 2 cows.

Of the 42 cases of diphtheria reported this week, 14 were in Michigan, 5 each in Kansas and New Jersey, and 4 in North Carolina. Since January 1, 1956, Michigan has reported 128 cases, compared with 50 for the corresponding period of 1955. Almost half (62) of the cases in the State have occurred since the first of October. Only Texas has reported more cases (169) than Michigan, but in 1955 the corresponding number was 197.

The numbers of reported cases of poliomyelitis by type for the United States for the current week, disease year, and calendar year are:

TYPE	CURRENT WEEK		DISEASE YEAR		CALENDAR YEAR	
	1956	1955	1956	1955	1956	1955
TOTAL-----	166	290	13,747	27,241	14,814	28,304
Paralytic-----	81	145	5,811	9,687	6,394	10,151
Nonparalytic-----	52	83	5,434	10,555	5,719	10,845
Unspecified-----	33	62	2,502	6,999	2,701	7,308

### EPIDEMIOLOGICAL REPORTS

#### Arsenic poisoning

Dr. Charlotte Silverman, Maryland State Department of Health, has supplied information on cases reported as "botulism" in last week's report. The provisional diagnosis of botulism was quickly changed to arsenic poisoning when the cases were investigated. Two young children and the father have died, and other members of the family are being treated in a hospital. The source of the infection appears to have been water from a cistern into which arsenic had been introduced. The cistern was located on the premises occupied by the family. The source of the arsenic is under investigation.

#### Rabies in bats

The California State Department of Public Health has reported the finding of 2 rabid bats in Shasta County this year. One was a hoary bat, Lasiurus cinereus. Negri bodies were detected in its brain; the confirmation was made by animal inoculation. The second was a Mexican free-tailed bat, Tadarida mexicana, which was found paralyzed in a downtown shop. Microscopic examination of this bat's brain was negative for Negri bodies, but mice inoculated with brain material developed rabies in 7 days. Four other rabid bats have been found in California—1 earlier this year, 2 in 1955, and 1 in 1954.

#### Psittacosis

The California State Department of Public Health has given epidemiological information on 6 cases of psittacosis reported in the State since January 1, 1956. Three of these were confirmed by fourfold rises in complement fixation titers, 2 by

titers of 1:16 and 1:64, and the other by X-ray findings and clinical symptoms. One of the patients had been doing research on psittacosis, and the others had had contact with psittacine birds.

#### Leptospirosis

Dr. James R. Amos, Missouri Department of Public Health and Welfare, has reported a case of leptospirosis in a packing-house worker. About 10 days prior to onset of his illness the worker had cut his right elbow on a slaughter chute. The lesion healed without incident. The illness was characterized by sudden onset of shaking chills and fever of 105 degrees. These symptoms were followed by nasal congestion and persistent frontal headache. Serologic tests for typhoid fever, brucellosis, and tularemia were negative. Leptospirosis was suspected, and a specimen sent to the PHS Laboratory in Chamblee, Georgia, showed a titer of 1:512 for Leptospira pomona. The patient responded favorably to a combination of streptomycin and penicillin.

#### Disease of unknown etiology

Dr. J. P. Garen, District Health Officer, New York State Department of Health, has reported a disease characterized by low fever, headache, and a nonpruritic maculopapular rash. Ten cases were reported in a village of 900 inhabitants. The rash usually developed on the second day of illness and lasted about 2 days. It began on the face and became generalized. Adenopathy was not prominent.

#### Histoplasmosis

Dr. Martin P. Hines, North Carolina State Board of Health, has reported 2 cases of histoplasmosis among persons who repaired an old house. Approximately 3 weeks after the work was finished both persons became ill with fever, malaise, and a cough. Roentgenographic findings revealed pulmonary infiltration, and blood studies demonstrated high titers to histoplasmosis. Histoplasma capsulatum was isolated from one of the patients. One patient has recovered, but the other also has pulmonary tuberculosis and is convalescing.

The house in question was old, contained wasp nests (mud-daubertype), was a roosting place for bats and was exceedingly dusty. Samples of bat droppings, dust, and plaster have been sent to a laboratory for examination but no report of the tests has yet been received. Since renovation, the house has been occupied by a family. There has been no illness among the occupants, although the majority are reactors to the histoplasmin skin test.

#### Gastro-enteritis

Dr. Mason Romaine, Virginia State Department of Health, has reported an outbreak of gastro-enteritis in a private family. Four persons became ill several hours after eating smoked pork shoulder. The pork shoulder was purchased from a local grocer and cooked the following day. Bacteriologic examination of a sample of the meat revealed hemolytic Staphylococcus aureus. The source of contamination was not found, but inadequate refrigeration in the home was considered favorable for the growth of bacteria.

## Morbidity and Mortality Weekly Report

Dr. R. Bacorn, District Health Officer, New York State Department of Health, has reported an outbreak of gastro-enteritis in a hospital. Forty-three persons developed a mild illness characterized by fever, abdominal cramps, and diarrhea. No common source was found, and no enteric bacterial pathogens were found in stool specimens. Presumably this was an outbreak of viral gastro-enteritis.

Dr. James R. Amos has reported also an outbreak of gastro-enteritis among members of 2 families in Missouri. Six persons became ill with fever, cramps, vomiting, diarrhea, nausea, and headache from 10 to 14 hours after a barbecue. Foods served at the barbecue were hamburgers, potato salad, bread, and homemade ice cream. The ice cream was made from pasteurized and some raw milk. Laboratory examination of the milk revealed nothing that would have contributed to the outbreak. Of the foods examined in a laboratory, the ice cream and potato salad revealed the presence of Arizona paracolon organisms.

The California State Department of Public Health has reported an outbreak of gastro-enteritis among 74 persons following a wedding reception. Of these, approximately 30 became ill with abdominal cramps, diarrhea, and mild prostration

from 9 to 13 hours later. Bacteriologic examination of ham served at the reception revealed the presence of gram-positive coccus, but this did not satisfy the criteria for implication in the outbreak. The ham, cooked and already sliced, was delivered from a local market.

The California State Department of Public Health has reported another outbreak of gastro-enteritis involving 9 of 13 persons in a private residence. Canned ham was suspected to be the vehicle of infection, but on bacteriologic examination no pathogens were found. Symptoms did not appear until after the second time the ham was eaten. From 5½ to 12 hours after the second serving, all developed nausea, headache, vomiting, diarrhea, abdominal discomfort, and weakness.

The Los Angeles County (California) Health Department has reported 2 small outbreaks of gastro-enteritis among persons who ate in restaurants. Eight persons became ill—5 after eating roast beef sandwiches and 3 after eating turkey sandwiches. No food from either restaurant was available for bacteriologic examination. One of the restaurants was found to be extremely unsanitary, and there was evidence of mice infestation.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: CONTINENTAL UNITED STATES

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	47th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Nov. 24, 1956	Ended Nov. 26, 1955	Median 1951-55	First 47 weeks			Since seasonal low week			
				1956	1955	Median 1951-55	1955-56	1954-55	Median 1950-51 to 1954-55	
Anthrax-----062	12	-	-	36	26	31	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Botulism-----049.1	-	-	---	12	6	---	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Brucellosis (undulant fever)----044	36	17	---	1,006	1,155	---	---	---	---	---
Diphtheria-----055	42	74	74	1,340	1,672	2,126	514	963	1,074	July 1
Encephalitis, infectious-----082	41	12	12	2,052	1,396	1,396	1,423	856	856	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	262	348	---	17,540	29,163	---	---	---	---	---
Malaria-----110-117	2	21	---	223	455	---	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Measles-----085	2,503	1,850	2,573	593,700	532,078	532,078	17,006	13,679	16,045	Sept. 1
Meningococcal infections-----057	52	50	70	2,466	3,155	3,745	501	584	735	Sept. 1
Meningitis, other-----340	34	---	---	1,453	---	---	---	---	---	---
Poliomyelitis-----080	166	290	397	14,814	28,304	34,467	13,747	27,241	32,886	Apr. 1
Psittacosis-----096.2	4	4	---	460	254	---	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rabies in man-----094	-	-	-	8	5	10	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Smallpox-----084	-	-	-	-	-	5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Typhoid fever-----040	21	25	29	1,664	1,561	2,129	1,351	1,274	1,728	Apr. 1
Typhus fever, endemic-----101	2	4	---	98	124	---	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rabies in animals-----	65	71	139	4,284	4,661	6,526	532	626	936	Oct. 1

<sup>1</sup>Reported in California.<sup>2</sup>Frequencies are too small.

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, rabies in man, and smallpox are not shown in table 2,

but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

Symbols.—1 dash [ - ]: no cases reported; 3 dashes [ --- ]: data not available.

# Morbidity and Mortality Weekly Report

**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 26, 1955 AND NOVEMBER 24, 1956**

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		47th week		Cumulative first 47 weeks		082		47th week		Cumulative first 47 weeks	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	36	17	42	74	1,340	1,672	41	12	262	348	17,540	29,163
NEW ENGLAND-----	1	-	1	-	14	23	-	-	14	24	1,118	2,563
Maine-----	-	-	-	-	-	-	-	-	2	4	281	332
New Hampshire-----	-	-	-	-	1	-	-	-	-	1	31	76
Vermont-----	-	-	-	-	-	2	-	-	2	3	155	234
Massachusetts-----	1	-	1	-	13	21	-	-	3	6	284	872
Rhode Island-----	-	-	-	-	-	-	-	-	4	5	134	362
Connecticut-----	-	-	-	-	-	-	-	-	3	5	233	687
MIDDLE ATLANTIC-----	-	1	6	-	61	54	5	2	52	85	3,732	7,303
New York-----	-	1	1	-	20	34	4	1	34	36	1,989	3,981
New Jersey-----	-	-	5	-	22	6	1	1	10	3	358	463
Pennsylvania-----	-	-	-	-	19	14	-	-	8	46	1,385	2,859
EAST NORTH CENTRAL-----	16	-	15	2	248	128	5	2	28	39	2,654	4,097
Ohio-----	-	-	1	-	18	32	2	-	9	5	653	725
Indiana-----	-	-	-	-	92	34	-	1	-	3	348	561
Illinois-----	16	-	-	-	8	9	-	1	12	4	634	970
Michigan-----	-	-	14	2	128	50	3	-	6	9	718	1,157
Wisconsin-----	-	-	-	-	2	3	-	-	1	18	301	684
WEST NORTH CENTRAL-----	9	9	5	9	114	183	11	1	17	19	1,390	3,377
Minnesota-----	2	-	-	-	26	54	-	-	7	8	453	1,215
Iowa-----	4	7	-	-	17	6	4	-	3	3	351	914
Missouri-----	-	1	-	-	13	13	-	-	4	-	93	329
North Dakota-----	1	-	-	-	5	1	1	-	3	5	121	288
South Dakota-----	1	1	-	1	8	45	-	-	-	1	169	335
Nebraska-----	1	-	-	8	34	61	-	-	-	-	93	81
Kansas-----	-	-	5	-	11	5	6	1	-	2	110	215
SOUTH ATLANTIC-----	-	1	8	30	350	600	3	3	22	16	1,129	2,476
Delaware-----	-	-	-	-	-	1	-	-	-	-	46	-
Maryland-----	-	-	-	-	2	13	1	-	2	2	88	345
District of Columbia-----	-	-	-	-	1	2	1	1	1	-	21	41
Virginia-----	-	-	-	1	30	36	-	-	9	8	455	1,009
West Virginia-----	-	-	-	1	7	18	-	-	2	1	63	234
North Carolina-----	-	-	4	3	65	79	-	1	2	2	117	319
South Carolina-----	-	-	2	6	83	185	-	-	-	1	63	77
Georgia-----	-	1	1	12	75	200	1	1	3	1	146	161
Florida-----	-	-	1	7	87	66	-	-	3	1	145	244
EAST SOUTH CENTRAL-----	1	2	2	18	187	344	7	1	32	27	1,557	1,575
Kentucky-----	-	-	-	-	13	46	6	-	8	7	481	300
Tennessee-----	-	1	-	-	22	37	-	-	18	16	662	614
Alabama-----	-	-	2	16	99	217	1	-	3	1	198	293
Mississippi-----	1	1	-	2	53	44	-	1	3	3	216	368
WEST SOUTH CENTRAL-----	6	1	3	12	282	271	2	1	10	19	1,267	1,722
Arkansas-----	3	-	-	-	21	9	-	-	3	3	138	217
Louisiana-----	1	1	1	2	33	36	-	-	-	2	131	121
Oklahoma-----	1	-	1	1	59	29	1	-	2	2	101	179
Texas-----	1	-	1	9	169	197	1	1	5	12	897	1,205
MOUNTAIN-----	1	2	2	2	31	20	1	1	20	49	1,501	2,308
Montana-----	-	-	-	1	4	4	-	-	8	21	360	403
Idaho-----	-	-	-	-	1	-	-	-	2	1	191	238
Wyoming-----	1	-	-	-	7	-	1	-	-	4	104	141
Colorado-----	-	2	-	-	3	1	-	-	1	6	337	479
New Mexico-----	-	-	1	-	7	4	-	1	3	1	138	334
Arizona-----	-	-	1	1	6	8	-	-	6	16	619	619
Utah-----	-	-	-	-	3	1	-	-	-	-	71	73
Nevada-----	-	-	-	-	-	2	-	-	-	-	8	21
PACIFIC-----	2	1	-	1	53	49	7	1	67	70	3,192	3,742
Washington-----	-	-	-	-	11	24	1	-	4	7	591	796
Oregon-----	-	-	-	-	11	-	-	-	15	16	639	1,023
California-----	2	1	-	1	31	25	6	1	48	47	1,962	1,923
Alaska-----	-	-	1	-	36	-	-	-	30	23	173	354
Hawaii-----	-	-	-	-	-	-	-	-	-	-	43	42
Puerto Rico-----	-	-	-	-	70	64	-	-	4	1	219	79

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 26, 1955 AND NOVEMBER 24, 1956—Continued  
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total <sup>1</sup>				Paralytic		Nonparalytic		110-117		085	
	47th week		Cumulative first 47 weeks		080.0,080.1		080.2					
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	166	290	14,814	28,304	81	145	52	63	2	21	2,503	1,850
NEW ENGLAND-----	-	50	245	5,448	-	24	-	11	-	-	192	23
Maine-----	-	3	21	201	-	3	-	-	-	-	68	1
New Hampshire-----	-	-	3	220	-	-	-	-	-	-	1	-
Vermont-----	-	-	21	121	-	-	-	-	-	-	54	12
Massachusetts-----	-	37	109	3,856	-	18	-	10	-	-	15	5
Rhode Island-----	-	4	9	409	-	1	-	-	-	-	2	4
Connecticut-----	-	6	82	641	-	2	-	1	-	-	52	1
MIDDLE ATLANTIC-----	12	27	1,176	4,128	5	12	3	6	-	-	446	192
New York-----	7	22	769	2,729	4	11	2	5	-	-	294	107
New Jersey-----	3	3	210	667	1	1	1	1	-	-	53	6
Pennsylvania-----	2	2	197	732	-	-	-	-	-	-	99	79
EAST NORTH CENTRAL-----	33	63	4,012	6,684	17	26	6	21	-	-	367	435
Ohio-----	6	15	605	1,257	2	4	1	3	-	-	43	69
Indiana-----	10	12	393	424	4	4	3	8	-	-	64	22
Illinois-----	7	14	1,822	1,373	4	8	1	2	-	-	52	135
Michigan-----	7	4	660	1,171	6	2	1	2	-	-	122	171
Wisconsin-----	3	18	532	2,459	1	8	-	6	-	-	86	38
WEST NORTH CENTRAL-----	11	13	1,669	2,079	4	7	5	5	-	-	207	85
Minnesota-----	2	5	202	583	-	4	2	1	-	-	37	8
Iowa-----	3	3	624	546	1	-	2	2	-	-	146	39
Missouri-----	2	1	408	260	1	1	1	-	-	-	4	-
North Dakota-----	1	1	37	61	-	-	-	1	-	-	19	9
South Dakota-----	1	-	37	75	1	-	-	-	-	-	-	2
Nebraska-----	2	2	175	280	1	1	-	1	-	-	1	1
Kansas-----	-	1	186	274	-	1	-	-	-	-	-	26
SOUTH ATLANTIC-----	25	26	1,449	2,343	10	14	11	7	2	17	160	133
Delaware-----	-	-	27	57	-	-	-	-	-	-	4	133
Maryland-----	4	3	104	270	2	2	2	1	-	-	4	35
District of Columbia-----	-	-	11	50	-	-	-	-	-	-	-	5
Virginia-----	4	3	227	316	3	2	1	1	-	-	39	56
West Virginia-----	3	2	110	180	-	2	2	-	-	1	27	18
North Carolina-----	5	7	320	442	3	3	2	2	1	15	7	7
South Carolina-----	2	-	104	305	1	-	-	-	-	-	26	1
Georgia-----	1	1	193	263	-	1	-	-	1	-	33	7
Florida-----	6	10	353	460	1	4	4	3	-	1	20	4
EAST SOUTH CENTRAL-----	11	6	707	1,007	4	4	2	2	-	-	389	32
Kentucky-----	3	2	189	418	1	-	2	2	-	-	129	18
Tennessee-----	1	1	145	239	1	1	-	-	-	-	205	3
Alabama-----	3	-	93	171	-	-	-	-	-	-	53	11
Mississippi-----	4	3	280	179	2	3	-	-	-	-	2	-
WEST SOUTH CENTRAL-----	32	23	2,315	2,710	22	11	9	4	-	4	224	189
Arkansas-----	6	-	206	183	6	-	-	-	-	-	24	13
Louisiana-----	2	2	603	368	-	1	2	1	-	-	1	-
Oklahoma-----	3	1	219	293	2	-	-	-	-	-	8	18
Texas-----	21	20	1,287	1,866	14	10	7	3	-	4	191	158
MOUNTAIN-----	10	12	787	1,066	2	5	2	5	-	-	244	340
Montana-----	3	2	47	147	-	-	-	2	-	-	73	113
Idaho-----	1	6	107	251	-	3	-	2	-	-	9	8
Wyoming-----	-	-	33	35	-	-	-	-	-	-	8	70
Colorado-----	1	3	150	220	1	2	-	1	-	-	19	94
New Mexico-----	-	1	75	127	-	-	-	-	-	-	85	10
Arizona-----	3	-	128	127	1	-	2	-	-	-	13	37
Utah-----	2	-	213	78	-	-	-	-	-	-	37	8
Nevada-----	-	-	34	81	-	-	-	-	-	-	-	-
PACIFIC-----	32	70	2,454	2,839	17	42	14	22	-	-	274	421
Washington-----	3	19	186	498	-	12	3	1	-	-	65	113
Oregon-----	4	10	164	403	1	5	2	5	-	-	15	18
California-----	25	41	2,104	1,938	16	25	9	16	-	-	194	290
Alaska-----	-	-	12	59	-	-	-	-	-	-	12	11
Hawaii-----	-	6	67	154	-	5	-	1	-	-	246	8
Puerto Rico-----	-	-	51	443	-	-	-	-	-	-	58	40

<sup>1</sup>Includes cases not specified by type, category number 080.3.

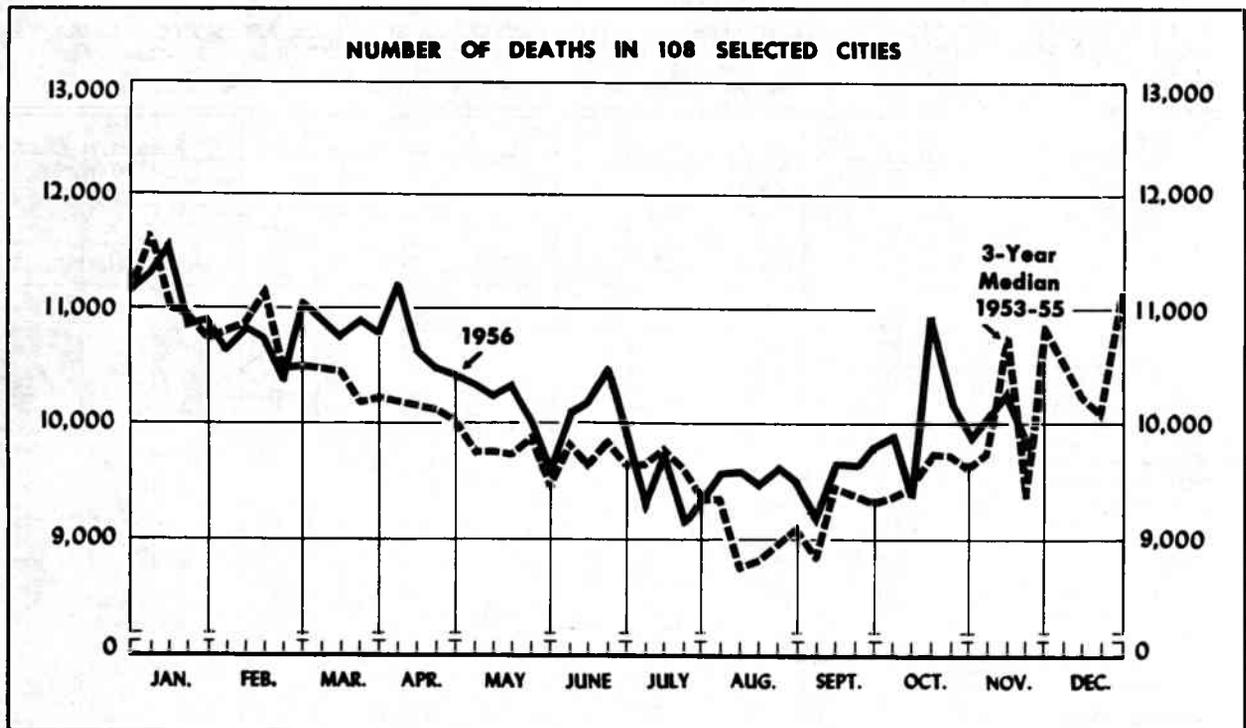
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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 26, 1955 AND NOVEMBER 24, 1956—Continued**

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
			340	096.2		47th week		Cumulative first 47 weeks		101		
	057	1956	1955	1956	1955	1956	1955	1956	1955	1956	1956	1955
CONT. UNITED STATES-----	52	50	34	4	4	21	25	1,664	1,581	2	65	71
NEW ENGLAND-----	3	2	-	-	-	2	-	55	34	-	-	-
Maine-----	-	-	-	-	-	2	-	17	6	-	-	-
New Hampshire-----	-	1	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	3	1	-	-	-
Massachusetts-----	2	1	-	-	-	-	-	17	14	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	6	2	-	-	-
Connecticut-----	1	-	-	-	-	-	-	12	11	-	-	-
MIDDLE ATLANTIC-----	7	5	-	-	-	2	1	202	164	-	4	11
New York-----	2	2	-	-	-	-	-	58	41	-	4	10
New Jersey-----	3	2	-	-	-	-	-	32	26	-	-	-
Pennsylvania-----	2	1	-	-	-	2	1	112	97	-	-	1
EAST NORTH CENTRAL-----	9	14	11	-	-	3	-	217	157	-	15	7
Ohio-----	1	5	-	-	-	3	-	59	68	-	12	5
Indiana-----	-	1	2	-	-	-	-	30	23	-	1	1
Illinois-----	1	3	9	-	-	-	-	36	32	-	1	-
Michigan-----	5	3	-	-	-	-	-	50	26	-	-	-
Wisconsin-----	2	2	-	-	-	-	-	42	8	-	1	1
WEST NORTH CENTRAL-----	3	4	2	1	2	3	2	197	92	-	10	10
Minnesota-----	1	-	-	1	1	-	-	37	7	-	4	3
Iowa-----	-	-	-	-	1	1	-	60	25	-	6	3
Missouri-----	-	2	-	-	-	2	2	65	49	-	-	2
North Dakota-----	1	1	-	-	-	-	-	6	-	-	-	-
South Dakota-----	-	-	-	-	-	-	-	3	5	-	-	-
Nebraska-----	1	-	-	-	-	-	-	13	4	-	-	2
Kansas-----	-	1	2	-	-	-	-	13	2	-	-	-
SOUTH ATLANTIC-----	9	17	2	2	-	5	6	270	291	-	16	14
Delaware-----	-	-	-	-	-	-	-	3	2	-	-	-
Maryland-----	-	1	-	-	-	-	-	17	21	-	-	-
District of Columbia-----	-	1	-	-	-	-	-	12	6	-	-	-
Virginia-----	1	2	-	-	-	-	1	54	44	-	5	2
West Virginia-----	1	1	1	-	-	-	1	23	39	-	-	1
North Carolina-----	1	6	-	2	-	-	2	27	32	-	-	-
South Carolina-----	-	4	-	-	-	1	-	29	47	-	2	6
Georgia-----	3	-	1	-	-	1	1	53	46	-	8	2
Florida-----	3	2	-	-	-	3	1	52	54	-	1	3
EAST SOUTH CENTRAL-----	8	1	10	-	2	-	-	224	239	1	10	13
Kentucky-----	1	-	3	-	-	-	-	51	103	-	2	5
Tennessee-----	1	-	4	-	-	-	-	81	75	1	2	4
Alabama-----	5	1	-	-	-	-	-	26	40	-	6	3
Mississippi-----	1	-	3	-	-	2	-	66	21	-	-	1
WEST SOUTH CENTRAL-----	3	2	4	-	2	1	12	311	388	1	9	9
Arkansas-----	-	2	-	-	-	-	3	69	80	-	2	4
Louisiana-----	1	-	-	-	-	-	5	44	82	-	7	-
Oklahoma-----	1	-	2	-	2	-	2	47	51	-	-	-
Texas-----	1	2	-	-	-	1	2	151	175	1	-	5
MOUNTAIN-----	6	2	1	-	-	-	2	73	114	-	1	2
Montana-----	-	-	-	-	-	-	-	3	5	-	-	-
Idaho-----	-	-	-	-	-	-	-	3	12	-	-	-
Wyoming-----	2	1	-	-	-	-	-	2	6	-	-	-
Colorado-----	2	1	1	-	-	-	1	21	13	-	-	-
New Mexico-----	-	-	-	-	-	-	1	17	55	-	-	-
Arizona-----	1	-	-	-	-	-	-	24	18	-	1	2
Utah-----	-	-	-	-	-	-	-	1	4	-	-	-
Nevada-----	1	-	-	-	-	-	-	2	1	-	-	-
PACIFIC-----	4	3	4	1	-	3	2	115	102	-	-	5
Washington-----	-	-	1	-	-	-	-	3	2	-	-	-
Oregon-----	1	-	3	-	-	-	-	14	12	-	-	-
California-----	3	3	-	1	-	3	2	98	88	-	-	5
Alaska-----	-	-	-	-	-	-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	1	1	74	47	-	-	-

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 108 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the

interval between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ( $d \pm 2\sqrt{d}$ , where  $d$  represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

AREA	47th week ended Nov. 24, 1956	46th week ended Nov. 17, 1956	47th week median 1953-55	Percent change, median to current week	CUMULATIVE NUMBER FIRST 47 WEEKS		
					1956	1955	Percent change
TOTAL: 98 REPORTING CITIES-----	8,549	8,852	8,081	+5.8	417,891	410,719	+1.7
New England----- (13 cities)	429	422	429	0	20,831	21,023	-0.9
Middle Atlantic----- (15 cities)	2,726	2,936	2,757	-1.1	135,920	136,102	-0.1
East North Central----- (15 cities)	1,451	1,327	1,252	+15.9	66,603	65,334	+1.9
West North Central----- (7 cities)	639	675	621	+2.9	31,088	30,398	+2.3
South Atlantic----- (9 cities)	759	785	753	+0.8	37,138	35,749	+3.9
East South Central----- (7 cities)	334	324	315	+6.0	17,004	16,870	+0.8
West South Central----- (13 cities)	804	884	876	+18.9	39,287	36,775	+6.8
Mountain----- (7 cities)	191	211	191	0	10,381	9,937	+4.5
Pacific----- (12 cities)	1,216	1,288	1,089	+11.7	59,639	58,531	+1.9

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED NOVEMBER 24, 1956

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	47th week ended Nov. 24, 1956	46th week ended Nov. 17, 1956	CUMULATIVE NUMBER FIRST 47 WEEKS		CITY	47th week ended Nov. 24, 1956	46th week ended Nov. 17, 1956	CUMULATIVE NUMBER FIRST 47 WEEKS	
			1956	1955				1956	1955
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	---	(259)	---	(10,840)	St. Louis, Mo.-----	209	214	10,835	10,217
Bridgeport, Conn.-----	33	27	1,697	1,720	St. Paul, Minn.-----	62	65	3,059	2,999
Cambridge, Mass.-----	44	32	1,375	1,379	Wichita, Kans.-----	(47)	---	---	(1,796)
Fall River, Mass.-----	25	23	1,283	1,285	SOUTH ATLANTIC				
Hartford, Conn.-----	32	44	2,207	2,103	Atlanta, Ga.-----	113	102	5,048	4,866
Lowell, Mass.-----	22	21	1,102	1,187	Baltimore, Md.-----	250	234	10,789	10,460
Lynn, Mass.-----	25	21	978	1,037	Charlotte, N. C.-----	12	21	1,394	1,278
New Bedford, Mass.-----	17	25	1,058	1,118	Jacksonville, Fla.-----	(42)	(70)	(2,391)	(2,245)
New Haven, Conn.-----	42	42	2,113	1,991	Miami, Fla.-----	58	57	2,389	2,435
Providence, R. I.-----	55	58	2,867	2,967	Norfolk, Va.-----	26	33	1,510	1,462
Somerville, Mass.-----	9	12	706	700	Richmond, Va.-----	68	61	3,247	2,995
Springfield, Mass.-----	44	33	1,927	1,966	Savannah, Ga.-----	(12)	(33)	(1,321)	(1,323)
Waterbury, Conn.-----	30	23	1,182	1,174	Tampa, Fla.-----	37	56	2,679	2,534
Worcester, Mass.-----	51	61	2,336	2,396	Washington, D. C.-----	157	182	8,453	8,080
					Wilmingon, Del.-----	38	39	1,629	1,639
MIDDLE ATLANTIC					EAST SOUTH CENTRAL				
Albany, N. Y.-----	48	37	2,260	2,227	Birmingham, Ala.-----	89	61	3,545	3,562
Allentown, Pa.-----	(37)	(32)	(1,727)	(1,682)	Chattanooga, Tenn.-----	26	45	1,947	2,043
Buffalo, N. Y.-----	86	180	6,624	6,309	Knoxville, Tenn.-----	18	18	1,516	1,561
Camden, N. J.-----	---	---	---	(1,698)	Louisville, Ky.-----	---	(97)	---	(4,813)
Elizabeth, N. J.-----	---	(26)	---	(1,222)	Memphis, Tenn.-----	100	90	4,573	4,571
Erie, Pa.-----	26	48	1,525	1,598	Mobile, Ala.-----	30	24	1,588	1,344
Jersey City, N. J.-----	65	59	3,222	3,221	Montgomery, Ala.-----	28	19	1,319	1,200
Newark, N. J.-----	80	97	4,498	4,649	Nashville, Tenn.-----	43	67	2,516	2,589
New York City, N. Y.-----	1,524	1,599	72,420	72,926	WEST SOUTH CENTRAL				
Paterson, N. J.-----	34	46	1,754	1,712	Austin, Tex.-----	21	29	1,273	1,198
Philadelphia, Pa.-----	416	431	22,079	22,221	Baton Rouge, La.-----	18	31	1,031	978
Pittsburgh, Pa.-----	159	178	8,475	8,229	Corpus Christi, Tex.-----	16	19	921	807
Reading, Pa.-----	(18)	(16)	(997)	(1,059)	Dallas, Tex.-----	121	121	5,054	4,561
Rochester, N. Y.-----	102	82	4,415	4,403	El Paso, Tex.-----	20	33	1,256	1,314
Schenectady, N. Y.-----	23	25	1,041	1,041	Fort Worth, Tex.-----	64	58	2,714	2,538
Scranton, Pa.-----	(32)	(30)	(1,585)	(1,568)	Houston, Tex.-----	137	126	6,299	5,837
Syracuse, N. Y.-----	64	63	2,753	2,575	Little Rock, Ark.-----	26	49	2,151	2,070
Trenton, N. J.-----	39	32	2,034	2,216	New Orleans, La.-----	145	169	7,358	7,007
Utica, N. Y.-----	28	40	1,438	1,443	Oklahoma City, Okla.-----	57	56	2,922	2,613
Yonkers, N. Y.-----	32	19	1,362	1,332	San Antonio, Tex.-----	104	98	4,103	3,968
					Shreveport, La.-----	58	35	2,109	1,838
					Tulsa, Okla.-----	17	60	2,096	2,046
EAST NORTH CENTRAL					MOUNTAIN				
Akron, Ohio-----	46	66	2,454	2,415	Albuquerque, N. Mex.-----	---	(25)	---	(1,076)
Canton, Ohio-----	34	33	1,326	1,270	Colorado Springs, Colo.-----	7	9	599	601
Chicago, Ill.-----	---	(778)	---	(33,852)	Denver, Colo.-----	79	90	4,996	4,952
Cincinnati, Ohio-----	169	128	7,074	6,878	Ogden, Utah-----	6	17	595	528
Cleveland, Ohio-----	192	192	9,639	9,194	Phoenix, Ariz.-----	25	22	1,193	1,123
Columbus, Ohio-----	111	96	5,016	4,939	Pueblo, Colo.-----	15	16	561	578
Dayton, Ohio-----	---	(74)	---	(3,016)	Salt Lake City, Utah-----	46	42	2,088	1,946
Detroit, Mich.-----	363	271	14,786	15,009	Tucson, Ariz.-----	13	15	329	209
Evansville, Ind.-----	49	23	1,543	1,488	PACIFIC				
Flint, Mich.-----	28	35	1,782	1,730	Berkeley, Calif.-----	17	16	768	833
Fort Wayne, Ind.-----	30	39	1,664	1,551	Long Beach, Calif.-----	55	71	2,482	2,274
Gary, Ind.-----	(23)	(30)	(1,322)	(1,286)	Los Angeles, Calif.-----	456	409	21,685	21,293
Grand Rapids, Mich.-----	33	33	1,897	1,944	Oakland, Calif.-----	100	93	4,245	4,039
Indianapolis, Ind.-----	111	104	5,451	5,126	Pasadena, Calif.-----	34	36	1,632	1,666
Milwaukee, Wis.-----	100	117	5,774	5,761	Portland, Oreg.-----	97	111	4,430	4,338
Peoria, Ill.-----	31	38	1,361	1,372	Sacramento, Calif.-----	61	50	2,263	2,286
South Bend, Ind.-----	(27)	---	---	(1,163)	San Diego, Calif.-----	67	102	3,484	3,424
Toledo, Ohio-----	98	98	4,402	4,290	San Francisco, Calif.-----	171	191	8,906	8,545
Youngstown, Ohio-----	56	54	2,534	2,367	Seattle, Wash.-----	92	127	5,846	5,932
					Spokane, Wash.-----	36	47	2,131	2,135
					Tacoma, Wash.-----	30	35	1,767	1,746
WEST NORTH CENTRAL									
Des Moines, Iowa-----	58	53	2,344	2,396	Honolulu, Hawaii-----	(32)	(33)	(1,609)	(1,672)
Duluth, Minn.-----	13	24	1,204	1,181					
Kansas City, Kans.-----	---	(32)	---	(1,590)					
Kansas City, Mo.-----	125	121	5,058	5,136					
Minneapolis, Minn.-----	110	112	5,552	5,489					
Omaha, Nebr.-----	62	86	3,036	2,980					

Symbols.—parentheses [ ( ) ] : data not included in table 3; 3 dashes [ --- ] : data not available.

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